

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SELECT Empno, Ename, MGR, Job

2 FROM Emp

3 START WITH Ename = 'KING'

4 CONNET BY PRIOR Empno = MGR;

CONNET BY PRIOR Empno = MGR

*

ERROR at line 4:

ORA-00933: SQL command not properly ended

SQL> ED

Wrote file afiedt.buf

1 SELECT Empno, Ename, MGR, Job

2 FROM Emp

3 START WITH Ename = 'KING'

4* CONNECT BY PRIOR Empno = MGR

SQL> /

EMPNO	ENAME	MGR	JOB
7839	KING		PRESIDENT
7566	JONES	7839	MANAGER
7788	SCOTT	7566	ANALYST
7876	ADAMS	7788	CLERK
7902	FORD	7566	ANALYST
7369	SMITH	7902	CLERK
7698	BLAKE	7839	MANAGER
7499	ALLEN	7698	SALESMAN
7521	WARD	7698	SALESMAN
7654	MARTIN	7698	SALESMAN
7844	TURNER	7698	SALESMAN
7900	JAMES	7698	CLERK
7782	CLARK	7839	MANAGER
7934	MILLER	7782	CLERK

14 rows selected.

SQL> ED

Wrote file afiedt.buf

1 SELECT Empno, Ename, MGR, Job

2 FROM Emp

3 START WITH Job = 'PRESIDENT'

4* CONNECT BY PRIOR Empno = MGR

SQL> /

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EMPNO	ENAME	MGR	JOB
7839	KING		PRESIDENT
7566	JONES	7839	MANAGER
7788	SCOTT	7566	ANALYST
7876	ADAMS	7788	CLERK
7902	FORD	7566	ANALYST
7369	SMITH	7902	CLERK
7698	BLAKE	7839	MANAGER
7499	ALLEN	7698	SALESMAN
7521	WARD	7698	SALESMAN
7654	MARTIN	7698	SALESMAN
7844	TURNER	7698	SALESMAN
7900	JAMES	7698	CLERK
7782	CLARK	7839	MANAGER
7934	MILLER	7782	CLERK

14 rows selected.

SQL> ED
Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Job
2  FROM Emp
3  START WITH Job = 'PRESIDENT'
4* CONNECT BY Empno = PRIOR MGR
SQL> /
```

EMPNO	ENAME	MGR	JOB
7839	KING		PRESIDENT

SQL> ED
Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Job
2  FROM Emp
3  START WITH Job = 'ANALYST'
4* CONNECT BY PRIOR Empno = MGR
SQL> /
```

EMPNO	ENAME	MGR	JOB
7788	SCOTT	7566	ANALYST
7876	ADAMS	7788	CLERK
7902	FORD	7566	ANALYST
7369	SMITH	7902	CLERK

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SQL> ED
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```
1  SELECT Empno, Ename, MGR, Job
2  FROM Emp
3  START WITH Ename = 'JONES'
4* CONNECT BY PRIOR Empno = MGR
SQL> /
```

EMPNO	ENAME	MGR	JOB
7566	JONES	7839	MANAGER
7788	SCOTT	7566	ANALYST
7876	ADAMS	7788	CLERK
7902	FORD	7566	ANALYST
7369	SMITH	7902	CLERK

SQL> ED
Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Job
2  FROM Emp
3  START WITH Ename = 'JONES'
4* CONNECT BY Empno = PRIOR MGR
SQL> /
```

EMPNO	ENAME	MGR	JOB
7566	JONES	7839	MANAGER
7839	KING		PRESIDENT

SQL> ED
Wrote file afiedt.buf

```
1  SELECT Empno, Ename, MGR, Job
2  FROM Emp
3  START WITH Job = 'ANALYST'
4* CONNECT BY Empno = PRIOR MGR
SQL>
```

EMPNO	ENAME	MGR	JOB
7788	SCOTT	7566	ANALYST
7566	JONES	7839	MANAGER
7839	KING		PRESIDENT
7902	FORD	7566	ANALYST
7566	JONES	7839	MANAGER

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7839 KING

PRESIDENT

6 rows selected.

SQL> cl scr

```
SQL> SELECT
  2  Ename Name,
  3  CONNECT_BY_ROOT(Ename) Boss
  4  FROM Emp
  5  START WITH Empno = 7839
  6  CONNECT BY PRIOR Empno = MGR;
```

NAME	BOSS
KING	KING
JONES	KING
SCOTT	KING
ADAMS	KING
FORD	KING
SMITH	KING
BLAKE	KING
ALLEN	KING
WARD	KING
MARTIN	KING
TURNER	KING
JAMES	KING
CLARK	KING
MILLER	KING

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  Ename Name,
3  CONNECT_BY_ROOT(Ename) Boss
4  FROM Emp
5  START WITH MGR = 7839
6* CONNECT BY PRIOR Empno = MGR
```

SQL> /

NAME	BOSS
JONES	JONES
SCOTT	JONES
ADAMS	JONES

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```
FORD      JONES
SMITH     JONES
BLAKE     BLAKE
ALLEN     BLAKE
WARD      BLAKE
MARTIN    BLAKE
TURNER    BLAKE
JAMES     BLAKE
CLARK     CLARK
MILLER    CLARK
```

13 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Ename Name,
3  CONNECT_BY_ROOT(Ename) Boss
4  FROM Emp
5  START WITH Job = 'ANALYST'
6* CONNECT BY PRIOR Empno = MGR
SQL> /
```

NAME	BOSS
SCOTT	SCOTT
ADAMS	SCOTT
FORD	FORD
SMITH	FORD

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Ename Name,
3  CONNECT_BY_ROOT(Ename) Boss
4  FROM Emp
5  START WITH Job = 'ANALYST'
6* CONNECT BY Empno = PRIOR MGR
SQL> /
```

NAME	BOSS
SCOTT	SCOTT
JONES	SCOTT
KING	SCOTT
FORD	FORD

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```
JONES      FORD
KING       FORD
```

6 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT ENAME Name,
  2  CONNECT_BY_ROOT Ename Boss,
  3  CONNECT_BY_ROOT Job BossJob
  4  FROM EMP
  5  START WITH Job = 'ANALYST'
  6  CONNECT BY PRIOR EMPNO = MGR;
```

NAME	BOSS	BOSSJOB
SCOTT	SCOTT	ANALYST
ADAMS	SCOTT	ANALYST
FORD	FORD	ANALYST
SMITH	FORD	ANALYST

```
SQL> cl scr
```

```
SQL> SELECT ENAME Name, HireDate,
  2  CONNECT_BY_ROOT Ename Boss,
  3  CONNECT_BY_ROOT HireDate BossHire,
  4  ROUND(CONNECT_BY_ROOT HireDate - HireDate) Days
  5  FROM EMP
  6  WHERE SIGN(CONNECT_BY_ROOT HireDate - HireDate) = 1
  7  START WITH Job = 'PRESIDENT'
  8  CONNECT BY PRIOR EMPNO = MGR;
```

```
SELECT ENAME Name, HireDate,
*
```

ERROR at line 1:

ORA-00932: inconsistent datatypes: expected - got DATE

```
SQL> ED
```

Wrote file afliedt.buf

```
1  SELECT
2  Ename Name,
3  HireDate,
4  Boss,
5  BossHire,
6  BossHire - HireDate Days
7  FROM
8  (
```

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```
9  SELECT ENAME Name, HireDate,
10  CONNECT_BY_ROOT Ename Boss,
11  CONNECT_BY_ROOT HireDate BossHire
12  FROM EMP
13  START WITH Job = 'PRESIDENT'
14  CONNECT BY PRIOR EMPNO = MGR
15  )
16* WHERE SIGN(BossHire - HireDate) = 1
SQL> /
Ename Name,
*
ERROR at line 2:
ORA-00904: "ENAME": invalid identifier
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Name,
3  HireDate,
4  Boss,
5  BossHire,
6  BossHire - HireDate Days
7  FROM
8  (
9  SELECT Ename Name, HireDate,
10  CONNECT_BY_ROOT Ename Boss,
11  CONNECT_BY_ROOT HireDate BossHire
12  FROM EMP
13  START WITH Job = 'PRESIDENT'
14  CONNECT BY PRIOR EMPNO = MGR
15  )
16* WHERE SIGN(BossHire - HireDate) = 1
SQL> /
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS
JONES	02-APR-81	KING	17-NOV-81	229
SMITH	17-DEC-80	KING	17-NOV-81	335
BLAKE	01-MAY-81	KING	17-NOV-81	200
ALLEN	20-FEB-81	KING	17-NOV-81	270
WARD	22-FEB-81	KING	17-NOV-81	268
MARTIN	28-SEP-81	KING	17-NOV-81	50
TURNER	08-SEP-81	KING	17-NOV-81	70
CLARK	09-JUN-81	KING	17-NOV-81	161

8 rows selected.

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Wrote file afiedt.buf

```
1  SELECT
2  Name,
3  HireDate,
4  Boss,
5  Bosshire,
6  Bosshire - HireDate Days
7  FROM
8  (
9  SELECT Ename Name, HireDate,
10 CONNECT_BY_ROOT Ename Boss,
11 CONNECT_BY_ROOT HireDate Bosshire
12 FROM EMP
13 START WITH Job = 'PRESIDENT'
14 CONNECT BY PRIOR EMPNO = MGR
15 )
16* WHERE SIGN(Bosshire - HireDate) = -1
SQL> /
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS
SCOTT	09-DEC-82	KING	17-NOV-81	-387
ADAMS	12-JAN-83	KING	17-NOV-81	-421
FORD	03-DEC-81	KING	17-NOV-81	-16
JAMES	03-DEC-81	KING	17-NOV-81	-16
MILLER	23-JAN-82	KING	17-NOV-81	-67

SQL> ED
Wrote file afiedt.buf

```
1  SELECT
2  Name,
3  HireDate,
4  Boss,
5  Bosshire,
6  ABS(Bosshire - HireDate) Days
7  FROM
8  (
9  SELECT Ename Name, HireDate,
10 CONNECT_BY_ROOT Ename Boss,
11 CONNECT_BY_ROOT HireDate Bosshire
12 FROM EMP
13 START WITH Job = 'PRESIDENT'
14 CONNECT BY PRIOR EMPNO = MGR
15 )
```

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```
16* WHERE SIGN(BossHire - HireDate) = -1
SQL> /
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS
SCOTT	09-DEC-82	KING	17-NOV-81	387
ADAMS	12-JAN-83	KING	17-NOV-81	421
FORD	03-DEC-81	KING	17-NOV-81	16
JAMES	03-DEC-81	KING	17-NOV-81	16
MILLER	23-JAN-82	KING	17-NOV-81	67

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Name,
3  HireDate,
4  Boss,
5  BossHire,
6  ABS(BossHire - HireDate) Days,
7  MONTHS_BETWEEN(BossHire, HireDate) Months
8  FROM
9  (
10 SELECT Ename Name, HireDate,
11 CONNECT_BY_ROOT Ename Boss,
12 CONNECT_BY_ROOT HireDate BossHire
13 FROM EMP
14 START WITH Job = 'PRESIDENT'
15 CONNECT BY PRIOR EMPNO = MGR
16 )
17* WHERE SIGN(BossHire - HireDate) = -1
SQL> /
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS	MONTHS
SCOTT	09-DEC-82	KING	17-NOV-81	387	-12.741935
ADAMS	12-JAN-83	KING	17-NOV-81	421	-13.83871
FORD	03-DEC-81	KING	17-NOV-81	16	-.5483871
JAMES	03-DEC-81	KING	17-NOV-81	16	-.5483871
MILLER	23-JAN-82	KING	17-NOV-81	67	-2.1935484

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Name,
3  HireDate,
4  Boss,
```

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```
5  BossHire,
6  ABS(BossHire - HireDate) Days,
7  TRUNC(ABS(MONTHS_BETWEEN(BossHire, HireDate))) Months
8  FROM
9  (
10 SELECT Ename Name, HireDate,
11        CONNECT_BY_ROOT Ename Boss,
12        CONNECT_BY_ROOT HireDate BossHire
13 FROM EMP
14 START WITH Job = 'PRESIDENT'
15 CONNECT BY PRIOR EMPNO = MGR
16 )
17* WHERE SIGN(BossHire - HireDate) = -1
SQL> /
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS	MONTHS
SCOTT	09-DEC-82	KING	17-NOV-81	387	12
ADAMS	12-JAN-83	KING	17-NOV-81	421	13
FORD	03-DEC-81	KING	17-NOV-81	16	0
JAMES	03-DEC-81	KING	17-NOV-81	16	0
MILLER	23-JAN-82	KING	17-NOV-81	67	2

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Name,
3  HireDate,
4  Boss,
5  BossHire,
6  ABS(BossHire - HireDate) Days,
7  TRUNC(ABS(MONTHS_BETWEEN(BossHire, HireDate))) Months,
8  TRUNC(ABS(MONTHS_BETWEEN(BossHire, HireDate) / 12)) Years
9  FROM
10 (
11 SELECT Ename Name, HireDate,
12        CONNECT_BY_ROOT Ename Boss,
13        CONNECT_BY_ROOT HireDate BossHire
14 FROM EMP
15 START WITH Job = 'PRESIDENT'
16 CONNECT BY PRIOR EMPNO = MGR
17 )
18* WHERE SIGN(BossHire - HireDate) = -1
SQL> /
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS	MONTHS	YEARS
------	----------	------	----------	------	--------	-------

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```
-----
-
SCOTT      09-DEC-82 KING      17-NOV-81      387      12
1
ADAMS      12-JAN-83 KING      17-NOV-81      421      13
1
FORD       03-DEC-81 KING      17-NOV-81      16       0
0
JAMES      03-DEC-81 KING      17-NOV-81      16       0
0
MILLER     23-JAN-82 KING      17-NOV-81      67       2
0
```

```
SQL> ED
Wrote file afiedt.buf
```

```

1  SELECT
2  Name,
3  HireDate,
4  Boss,
5  BossHire,
6  ABS(BossHire - HireDate) Days,
7  TRUNC(ABS(MONTHS_BETWEEN(BossHire, HireDate))) Months,
8  TRUNC(ABS(MONTHS_BETWEEN(BossHire, HireDate) / 12)) Years
9  FROM
10 (
11  SELECT Ename Name, HireDate,
12  CONNECT_BY_ROOT Ename Boss,
13  CONNECT_BY_ROOT HireDate BossHire
14  FROM EMP
15  START WITH Job = 'PRESIDENT'
16  CONNECT BY PRIOR EMPNO = MGR
17  )
18* WHERE SIGN(BossHire - HireDate) = 1
SQL> /
```

```
NAME      HIREDATE  BOSS      BOSSHIRE      DAYS      MONTHS
YEARS
-----
-
JONES     02-APR-81 KING      17-NOV-81      229       7
0
SMITH     17-DEC-80 KING      17-NOV-81      335      11
0
BLAKE     01-MAY-81 KING      17-NOV-81      200       6
0
ALLEN     20-FEB-81 KING      17-NOV-81      270       8
0
-----
```

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```
.....
WARD      22-FEB-81 KING      17-NOV-81      268          8
0
MARTIN    28-SEP-81 KING      17-NOV-81      50           1
0
TURNER    08-SEP-81 KING      17-NOV-81      70           2
0
CLARK     09-JUN-81 KING      17-NOV-81     161           5
0
```

8 rows selected.

SQL> cl scr

```
SQL> SELECT ENAME Name, Dname, Loc,
2  CONNECT_BY_ROOT Ename Boss,
3  CONNECT_BY_ROOT D.Loc BossLoc
4  FROM EMP E, Dept D
5  WHERE E.Deptno = D.Deptno
6  START WITH Job = 'PRESIDENT'
7  CONNECT BY PRIOR EMPNO = MGR;
```

NAME	DNAME	LOC	BOSS	BOSSLLOC
KING	ACCOUNTING	NEW YORK	KING	NEW YORK
JONES	RESEARCH	DALLAS	KING	NEW YORK
SCOTT	RESEARCH	DALLAS	KING	NEW YORK
ADAMS	RESEARCH	DALLAS	KING	NEW YORK
FORD	RESEARCH	DALLAS	KING	NEW YORK
SMITH	RESEARCH	DALLAS	KING	NEW YORK
BLAKE	SALES	CHICAGO	KING	NEW YORK
ALLEN	SALES	CHICAGO	KING	NEW YORK
WARD	SALES	CHICAGO	KING	NEW YORK
MARTIN	SALES	CHICAGO	KING	NEW YORK
TURNER	SALES	CHICAGO	KING	NEW YORK
JAMES	SALES	CHICAGO	KING	NEW YORK
CLARK	ACCOUNTING	NEW YORK	KING	NEW YORK
MILLER	ACCOUNTING	NEW YORK	KING	NEW YORK

14 rows selected.

SQL> cl scr

```
SQL> COLUMN "Path" FORMAT A35
SQL> SELECT Ename,
2  SYS_CONNECT_BY_PATH(Ename, '/') "Path"
3  FROM Emp
4  START WITH Ename = 'KING'
5  CONNECT BY PRIOR Empno = MGR;
```

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ENAME	Path
KING	/KING
JONES	/KING/JONES
SCOTT	/KING/JONES/SCOTT
ADAMS	/KING/JONES/SCOTT/ADAMS
FORD	/KING/JONES/FORD
SMITH	/KING/JONES/FORD/SMITH
BLAKE	/KING/BLAKE
ALLEN	/KING/BLAKE/ALLEN
WARD	/KING/BLAKE/WARD
MARTIN	/KING/BLAKE/MARTIN
TURNER	/KING/BLAKE/TURNER
JAMES	/KING/BLAKE/JAMES
CLARK	/KING/CLARK
MILLER	/KING/CLARK/MILLER

14 rows selected.

```
SQL> SELECT Ename,  
2 SYS_CONNECT_BY_PATH(Job, '/') "Path"  
3 FROM Emp  
4 START WITH Ename = 'KING'  
5 CONNECT BY PRIOR Empno = MGR;
```

ENAME	Path
KING	/PRESIDENT
JONES	/PRESIDENT/MANAGER
SCOTT	/PRESIDENT/MANAGER/ANALYST
ADAMS	/PRESIDENT/MANAGER/ANALYST/CLERK
FORD	/PRESIDENT/MANAGER/ANALYST
SMITH	/PRESIDENT/MANAGER/ANALYST/CLERK
BLAKE	/PRESIDENT/MANAGER
ALLEN	/PRESIDENT/MANAGER/SALESMAN
WARD	/PRESIDENT/MANAGER/SALESMAN
MARTIN	/PRESIDENT/MANAGER/SALESMAN
TURNER	/PRESIDENT/MANAGER/SALESMAN
JAMES	/PRESIDENT/MANAGER/CLERK
CLARK	/PRESIDENT/MANAGER
MILLER	/PRESIDENT/MANAGER/CLERK

14 rows selected.

```
SQL> COLUMN "JobPath" FORMAT A35  
SQL> COLUMN "SalPath" FORMAT A35  
SQL> SELECT Ename,
```

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Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

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Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
2 SYS_CONNECT_BY_PATH(Job, '/') "JobPath",
3 SYS_CONNECT_BY_PATH(Sal, '/') "SalPath"
4 FROM Emp
5 START WITH Ename = 'KING'
6 CONNECT BY PRIOR Empno = MGR;
```

ENAME	JobPath	SalPath
KING	/PRESIDENT	/5000
JONES	/PRESIDENT/MANAGER	/5000/2975
SCOTT	/PRESIDENT/MANAGER/ANALYST	/5000/2975/3000
ADAMS	/PRESIDENT/MANAGER/ANALYST/CLERK	/5000/2975/3000/1100
FORD	/PRESIDENT/MANAGER/ANALYST	/5000/2975/3000
SMITH	/PRESIDENT/MANAGER/ANALYST/CLERK	/5000/2975/3000/800
BLAKE	/PRESIDENT/MANAGER	/5000/2850
ALLEN	/PRESIDENT/MANAGER/SALESMAN	/5000/2850/1600
WARD	/PRESIDENT/MANAGER/SALESMAN	/5000/2850/1250
MARTIN	/PRESIDENT/MANAGER/SALESMAN	/5000/2850/1250
TURNER	/PRESIDENT/MANAGER/SALESMAN	/5000/2850/1500
JAMES	/PRESIDENT/MANAGER/CLERK	/5000/2850/950
CLARK	/PRESIDENT/MANAGER	/5000/2450
MILLER	/PRESIDENT/MANAGER/CLERK	/5000/2450/1300

14 rows selected.

SQL> SPPOOL OFF

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